SEQUENCE LISTING IAP20 Rec'd PCT/PTO 21 DEC 2005

<110> diaDexus, Inc. Papkoff, Jackie Pilkington, Glenn Keller, Gilbert-Andre Li, Wenlu Corral, Laura Simon, Iris Kmet, Muriel Tang, Jianwen

<120> Pro104 Antibody Compositions and Methods of Use

<130> DEX-0491

<150> US 60/523,271 <151> 2003-11-17

<150> US 60/485,346 <151> 2003-06-27

<160> 38

<170> PatentIn version 3.1

<210> 1 <211> 288 <212> PRT

<213> Homo sapiens

<400> 1

Met Ala Lys Pro Glu Ser Gln Glu Ala Ala Pro Leu Ser Gly Pro Cys

Gly Arg Arg Val Ile Thr Ser Arg Ile Val Gly Gly Glu Asp Ala Glu

Leu Gly Arg Trp Pro Trp Gln Gly Ser Leu Arg Leu Trp Asp Ser His 40 45

Val Cys Gly Val Ser Leu Leu Ser His Arg Trp Ala Leu Thr Ala Ala

His Cys Phe Glu Thr Tyr Ser Asp Leu Ser Asp Pro Ser Gly Trp Met

Val Gln Phe Gly Gln Leu Thr Ser Met Pro Ser Phe Trp Ser Leu Gln 90

Ala Tyr Tyr Thr Arg Tyr Phe Val Ser Asn Ile Tyr Leu Ser Pro Arg 105

Tyr Leu Gly Asn Ser Pro Tyr Asp Ile Ala Leu Val Lys Leu Ser Ala 120

Pro Val Thr Tyr Thr Lys His Ile Gln Pro Ile Cys Leu Gln Ala Ser 130

Thr Phe Glu Phe Glu Asn Arg Thr Asp Cys Trp Val Thr Gly Trp Gly 155

Tyr Ile Lys Glu Asp Glu Ala Leu Pro Ser Pro His Thr Leu Gln Glu 170

Val Gln Val Ala Ile Ile Asn Asn Ser Met Cys Asn His Leu Phe Leu 180 185

Lys Tyr Ser Phe Arg Lys Asp Ile Phe Gly Asp Met Val Cys Ala Gly 205

Asn Ala Gln Gly Gly Lys Asp Ala Cys Phe Gly Asp Ser Gly Gly Pro

Leu Ala Cys Asn Lys Asn Gly Leu Trp Tyr Gln Ile Gly Val Val Ser 230

Trp Gly Val Gly Cys Gly Arg Pro Asn Arg Pro Gly Val Tyr Thr Asn

Ile Ser His His Phe Glu Trp Ile Gln Lys Leu Met Ala Gln Ser Gly 260 265

Met Ser Gln Pro Asp Pro Ser Trp Leu Glu His His His His His 280

<210> 2

<211> 287 <212> PRT <213> Homo sapiens

<400> 2

Met Lys Phe Leu Val Asn Val Ala Leu Val Phe Met Val Val Tyr Ile

Ser Tyr Ile Tyr Ala Asp Pro Met Ala Ile Val Gly Gly Glu Asp Ala

Glu Leu Gly Arg Trp Pro Trp Gln Gly Ser Leu Arg Leu Trp Asp Ser 35

His 'Val Cys Gly Val Ser Leu Leu Ser His Arg Trp Ala Leu Thr Ala

Ala His Cys Phe Glu Thr Tyr Ser Asp Leu Ser Asp Pro Ser Gly Trp

Met Val Gln Phe Gly Gln Leu Thr Ser Met Pro Ser Phe Trp Ser Leu 90

Gln Ala Tyr Tyr Thr Arg Tyr Phe Val Ser Asn Ile Tyr Leu Ser Pro

-Arg-Tyr-Leu-Gly-Asn-Ser-Pro-Tyr-Asp-Fle-Ala-Leu-Val-Lys-Leu-Ser-

Ala Pro Val Thr Tyr Thr Lys His Ile Gln Pro Ile Cys Leu Gln Ala 135

Ser Thr Phe Glu Phe Glu Asn Arg Thr Asp Cys Trp Val Thr Gly Trp 155

Gly Tyr Ile Lys Glu Asp Glu Ala Leu Pro Ser Pro His Thr Leu Gln 170

Glu Val Gln Val Ala Ile Ile Asn Asn Ser Met Cys Asn His Leu Phe

Leu Lys Tyr Ser Phe Arg Lys Asp Ile Phe Gly Asp Met Val Cys Ala 200

Gly Asn Ala Gln Gly Gly Lys Asp Ala Cys Phe Gly Asp Ser Gly Gly 210 215

Pro Leu Ala Cys Asn Lys Asn Gly Leu Trp Tyr Gln Ile Gly Val Val 225 230

Ser Trp Gly Val Gly Cys Gly Arg Pro Asn Arg Pro Gly Val Tyr Thr 245

Asn Ile Ser His His Phe Glu Trp Ile Gln Lys Leu Met Ala Gln Ser 260 265

Gly Met Ser Gln Pro Asp Pro Ser Trp His His His His His 280

<210> 3 <211> 340

<212> PRT <213> Homo sapiens

<400> 3

Met Gly Ala Arg Gly Ala Leu Leu Ala Leu Leu Leu Ala Arg Ala 1 5 10 15

Gly Leu Arg Lys Pro Glu Ser Gln Glu Ala Ala Pro Leu Ser Gly Pro 20 25 30

Cys Gly Arg Arg Val Ile Thr Ser Arg Ile Val Gly Glu Asp Ala 35 40 45

Glu Leu Gly Arg Trp Pro Trp Gln Gly Ser Leu Arg Leu Trp Asp Ser 50 55 60

His Val Cys Gly Val Ser Leu Leu Ser His Arg Trp Ala Leu Thr Ala 65 70 75 80

Ala His Cys Phe Glu Thr Tyr Ser Asp Leu Ser Asp Pro Ser Gly Trp 85 90 95

Met Val Gln Phe Gly Gln Leu Thr Ser Met Pro Ser Phe Trp Ser Leu 100 105 110

Gln Ala Tyr Tyr Thr Arg Tyr Phe Val Ser Asn Ile Tyr Leu Ser Pro 115 120 125

Arg Tyr Leu Gly Asn Ser Pro Tyr Asp Ile Ala Leu Val Lys Leu Ser 130 140

Ala Pro Val Thr Tyr Thr Lys His Ile Gln Pro Ile Cys Leu Gln Ala 145 150 155 160

Ser Thr Phe Glu Phe Glu Asn Arg Thr Asp Cys Trp Val Thr Gly Trp 165 170 175

Gly Tyr Ile Lys Glu Asp Glu Ala Leu Pro Ser Pro His Thr Leu Gln 180 185 190

Glu Val Gln Val Ala Ile Ile Asn Asn Ser Met Cys Asn His Leu Phe 195 200 205

Leu Lys Tyr Ser Phe Arg Lys Asp Ile Phe Gly Asp Met Val Cys Ala

5 .

210 215 220

Gly Asn Ala Gln Gly Gly Lys Asp Ala Cys Phe Gly Asp Ser Gly Gly 230 235

Pro Leu Ala Cys Asn Lys Asn Gly Leu Trp Tyr Gln Ile Gly Val Val

Ser Trp Gly Val Gly Cys Gly Arg Pro Asn Arg Pro Gly Val Tyr Thr 265

Asn Ile Ser His His Phe Glu Trp Ile Gln Lys Leu Met Ala Gln Ser 280

Gly Met Ser Gln Pro Asp Pro Ser Trp Pro Leu Leu Phe Phe Pro Leu 290 295

Leu Trp Ala Leu Pro Leu Leu Gly Pro Val Asp Pro Ala Phe Leu Tyr 305 320

Lys Val Val Arg Ser Arg Met Ala Ser Tyr Pro Tyr Asp Val Pro Asp 330

Tyr Ala Ser Leu 340

<210> 4

<211> 314 <212> PRT

<213> Homo sapiens

<400> 4

Met Gly Ala Arg Gly Ala Leu Leu Leu Ala Leu Leu Leu Ala Arg Ala 5 10

Gly Leu Arg Lys Pro Glu Ser Gln Glu Ala Ala Pro Leu Ser Gly Pro 20 25

Cys Gly Arg Arg Val Ile Thr Ser Arg Ile Val Gly Glu Asp Ala 35 40

Glu Leu Gly Arg Trp Pro Trp Gln Gly Ser Leu Arg Leu Trp Asp Ser

His Val Cys Gly Val Ser Leu Leu Ser His Arg Trp Ala Leu Thr Ala 70 75

- Ala His Cys Phe Glu Thr Tyr Ser Asp Leu Ser Asp Pro Ser Gly Trp 85 90 95
- Met Val Gln Phe Gly Gln Leu Thr Ser Met Pro Ser Phe Trp Ser Leu 100 105 110
- Gln Ala Tyr Tyr Thr Arg Tyr Phe Val Ser Asn Ile Tyr Leu Ser Pro 115 120 125
- Arg Tyr Leu Gly Asn Ser Pro Tyr Asp Ile Ala Leu Val Lys Leu Ser 130 135 140
- Ala Pro Val Thr Tyr Thr Lys His Ile Gln Pro Ile Cys Leu Gln Ala

 145_______150______160-
- Ser Thr Phe Glu Phe Glu Asn Arg Thr Asp Cys Trp Val Thr Gly Trp
 165 170 175
- Gly Tyr Ile Lys Glu Asp Glu Ala Leu Pro Ser Pro His Thr Leu Gln 180 185 190
- Glu Val Gln Val Ala Ile Ile Asn Asn Ser Met Cys Asn His Leu Phe 195 200 205
- Leu Lys Tyr Ser Phe Arg Lys Asp Ile Phe Gly Asp Met Val Cys Ala 210 215 220
- Gly Asn Ala Gln Gly Gly Lys Asp Ala Cys Phe Gly Asp Ser Gly Gly 225 230 235 240
- Pro Leu Ala Cys Asn Lys Asn Gly Leu Trp Tyr Gln Ile Gly Val Val 245 250 255
- Ser Trp Gly Val Gly Cys Gly Arg Pro Asn Arg Pro Gly Val Tyr Thr 260 265 270
- Asn Ile Ser His His Phe Glu Trp Ile Gln Lys Leu Met Ala Gln Ser 275 280 285
- Gly Met Ser Gln Pro Asp Pro Ser Trp Pro Leu Leu Phe Phe Pro Leu 290 295 300
- Leu Trp Ala Leu Pro Leu Leu Gly Pro Val 305

<210> 5

<211> 486

<212> PRT

<213> Homo sapiens

<400> 5

Met Ala Pro Ile Leu Gly Tyr Trp Lys Ile Lys Gly Leu Val Gln Pro 1 5 10 15

Thr Arg Leu Leu Glu Tyr Leu Glu Glu Lys Tyr Glu Glu His Leu 20 25 30

Tyr Glu Arg Asp Glu Gly Asp Lys Trp Arg Asn Lys Lys Phe Glu Leu 35 40 45

Gly Leu Glu Phe Pro Asn Leu Pro Tyr Tyr Ile Asp Gly Asp Val Lys 50 55 60

Leu Thr Gln Ser Met Ala Ile Ile Arg Tyr Ile Ala Asp Lys His Asn 65 70 75 80

Met Leu Gly Gly Cys Pro Lys Glu Arg Ala Glu Ile Ser Met Leu Glu 85 90 95

Gly Ala Val Leu Asp Ile Arg Tyr Gly Val Ser Arg Ile Ala Tyr Ser 100 105 110

Lys Asp Phe Glu Thr Leu Lys Val Asp Phe Leu Ser Lys Leu Pro Glu
115 120 125

Met Leu Lys Met Phe Glu Asp Arg Leu Cys His Lys Thr Tyr Leu Asn 130 135 140

Gly Asp His Val Thr His Pro Asp Phe Met Leu Tyr Asp Ala Leu Asp 145 150 155 160

Val Val Leu Tyr Met Asp Pro Met Cys Leu Asp Ala Phe Pro Lys Leu 165 170 175

Val Cys Phe Lys Lys Arg Ile Glu Ala Ile Pro Gln Ile Asp Lys Tyr 180 185 190

Leu Lys Ser Ser Lys Tyr Ile Ala Trp Pro Leu Gln Gly Trp Gln Ala 195 200 205

Thr Phe Gly Gly Asp His Pro Pro Lys Ser Asp Leu Val Pro Arg 210 215 220

His Asn Gln Thr Ser Leu Tyr Lys Lys Ala Gly Phe Glu Asn Leu Tyr 225 230 235 240

Phe Gln Gly Val Val Gly Glu Glu Ala Ser Val Asp Ser Trp Pro 245 250 255

Trp Gln Val Ser Ile Gln Tyr Asp Lys Gln His Val Cys Gly Gly Ser 260 265 270

Ile Leu Asp Pro His Trp Val Leu Thr Ala Ala His Cys Phe Arg Lys 275 280 285

His-Thr-Asp-Val-Phe-Asn-Trp-Lys-Val-Arg-Ala-Gly-Ser-Asp-Lys-Lieu 290 295 300

Gly Ser Phe Pro Ser Leu Ala Val Ala Lys Ile Ile Ile Ile Glu Phe 305 310 315 320

Asn Pro Met Tyr_Pro Lys Asp Asn Asp Ile Ala Leu Met Lys Leu Gln 325 330 335

Phe Pro Leu Thr Phe Ser Gly Thr Val Arg Pro Ile Cys Leu Pro Phe 340 345 350

Phe Asp Glu Glu Leu Thr Pro Ala Thr Pro Leu Trp Ile Ile Gly Trp 355 360 365

Gly Phe Thr Lys Gln Asn Gly Gly Lys Met Ser Asp Ile Leu Leu Gln 370 375 380

Ala Ser Val Gln Val Ile Asp Ser Thr Arg Cys Asn Ala Asp Asp Ala 385 390 395 400

Tyr Gln Gly Glu Val Thr Glu Lys Met Met Cys Ala Gly Ile Pro Glu 405 410 415

Gly Gly Val Asp Thr Cys Gln Gly Asp Ser Gly Gly Pro Leu Met Tyr 420 425 430

Gln Ser Asp Gln Trp His Val Val Gly Ile Val Ser Trp Gly Tyr Gly 435 440 445

Cys Gly Gly Pro Ser Thr Pro Gly Val Tyr Thr Lys Val Ser Ala Tyr 450 455 460

WO 2005/046573

9

Leu Asn Trp Ile Tyr Asn Val Trp Lys Ala Glu Leu Ser Asn Trp Ser 465 470 480

His Pro Gln Phe Glu Lys 485

<210> 6

<211> 391

<212> PRT

<213> Homo sapiens

<400> 6

Met Lys Val Ile Leu Asp Lys Tyr Tyr Phe Leu Cys Gly Gln Pro Leu 1 5 10 15

His Phe Ile Pro Arg Lys Gln Leu Cys Asp Gly Glu Leu Asp Cys Pro 20 25 30

Leu Gly Glu Asp Glu Glu His Cys Val Lys Ser Phe Pro Glu Gly Pro 35 40 45

Ala Val Ala Val Arg Leu Ser Lys Asp Arg Ser Thr Leu Gln Val Leu 50 60

Asp Ser Ala Thr Gly Asn Trp Phe Ser Ala Cys Phe Asp Asn Phe Thr 65 70 75 80

Glu Ala Leu Ala Glu Thr Ala Cys Arg Gln Met Gly Tyr Ser Ser Lys 85 90 95

Pro Thr Phe Arg Ala Val Glu Ile Gly Pro Asp Gln Asp Leu Asp Val

Val Glu Ile Thr Glu Asn Ser Gln Glu Leu Arg Met Arg Asn Ser Ser 115 120 125

Gly Pro Cys Leu Ser Gly Ser Leu Val Ser Leu His Cys Leu Ala Cys 130 135 140

Gly Lys Ser Leu Lys Thr Pro Arg Val Val Gly Gly Glu Glu Ala Ser 145 150 155 160

Val Asp Ser Trp Pro Trp Gln Val Ser Ile Gln Tyr Asp Lys Gln His 165 170 175

Val Cys Gly Gly Ser Ile Leu Asp Pro His Trp Val Leu Thr Ala Ala

180

185

190

His Cys Phe Arg Lys His Thr Asp Val Phe Asn Trp Lys Val Arg Ala 200

Gly Ser Asp Lys Leu Gly Ser Phe Pro Ser Leu Ala Val Ala Lys Ile 210 215

Ile Ile Ile Glu Phe Asn Pro Met Tyr Pro Lys Asp Asn Asp Ile Ala 235

Leu Met Lys Leu Gln Phe Pro Leu Thr Phe Ser Gly Thr Val Arg Pro

Ile Cys Leu Pro Phe Phe Asp Glu Glu Leu Thr Pro Ala Thr Pro Leu 260 265

Trp Ile Ile Gly Trp Gly Phe Thr Lys Gln Asn Gly Gly Lys Met Ser 275 280 285

Asp Ile Leu Leu Gln Ala Ser Val Gln Val Ile Asp Ser Thr Arg Cys 290

Asn Ala Asp Asp Ala Tyr Gln Gly Glu Val Thr Glu Lys Met Met Cys 305 315

Ala Gly Ile Pro Glu Gly Gly Val Asp Thr Cys Gln Gly Asp Ser Gly

Gly Pro Leu Met Tyr Gln Ser Asp Gln Trp His Val Val Gly Ile Val 340 345

Ser Trp Gly Tyr Gly Cys Gly Gly Pro Ser Thr Pro Gly Val Tyr Thr 360 365

Lys Val Ser Ala Tyr Leu Asn Trp Ile Tyr Asn Val Trp Lys Ala Glu

Leu His His His His His 390

<210> 7

<211> 461 <212> PRT <213> Homo sapiens

<400> 7

Met Asp Pro Asp Ser Asp Gln Pro Leu Asn Ser Leu Asp Val Lys Pro 1 5 10 15

Leu Arg Lys Pro Arg Ile Pro Met Glu Thr Phe Arg Lys Val Gly Ile 20 25 30

Pro Ile Ile Ile Ala Leu Leu Ser Leu Ala Ser Ile Ile Ile Val Val 35 40 45 --

Val Leu Ile Lys Val Ile Leu Asp Lys Tyr Tyr Phe Leu Cys Gly Gln 50 55 60

Cys Pro Leu Gly Glu Asp Glu Glu His Cys Val Lys Ser Phe Pro Glu 85 90 95

Gly Pro Ala Val Ala Val Arg Leu Ser Lys Asp Arg Ser Thr Leu Gln
100 105 110

Val Leu Asp Ser Ala Thr Gly Asn Trp Phe Ser Ala Cys Phe Asp Asn 115 120 125

Phe Thr Glu Ala Leu Ala Glu Thr Ala Cys Arg Gln Met Gly Tyr Ser 130 135 140

Ser Lys Pro Thr Phe Arg Ala Val Glu Ile Gly Pro Asp Gln Asp Leu 145 150 155 160

Asp Val Val Glu Ile Thr Glu Asn Ser Gln Glu Leu Arg Met Arg Asn 165 170 175

Ser Ser Gly Pro Cys Leu Ser Gly Ser Leu Val Ser Leu His Cys Leu 180 185 190

Ala Cys Gly Lys Ser Leu Lys Thr Pro Arg Val Val Gly Glu Glu 195 200 205

Ala Ser Val Asp Ser Trp Pro Trp Gln Val Ser Ile Gln Tyr Asp Lys 210 215 220

Gln His Val Cys Gly Gly Ser Ile Leu Asp Pro His Trp Val Leu Thr 225 230 235 240

WO 2005/046573 PCT/US2004/020741

12

Ala Ala His Cys Phe Arg Lys His Thr Asp Val Phe Asn Trp Lys Val 245 250 255

Arg Ala Gly Ser Asp Lys Leu Gly Ser Phe Pro Ser Leu Ala Val Ala 260 265 270.

Lys Ile Ile Ile Glu Phe Asn Pro Met Tyr Pro Lys Asp Asn, Asp 275 280 285

Ile Ala Leu Met Lys Leu Gln Phe Pro Leu Thr Phe Ser Gly Thr Val 290 295 300

Arg Pro Ile Cys Leu Pro Phe Phe Asp Glu Glu Leu Thr Pro Ala Thr 305 310 315 320

Pro Leu Trp Ile Ile Gly Trp Gly Phe Thr Lys Gln Asn Gly Gly Lys 325 330 335

Met Ser Asp Ile Leu Leu Gln Ala Ser Val Gln Val Ile Asp Ser Thr 340 345 350

Arg Cys Asn Ala Asp Asp Ala Tyr Gln Gly Glu Val Thr Glu Lys Met 355 360 365

Met Cys Ala Gly Ile Pro Glu Gly Gly Val Asp Thr Cys Gln Gly Asp 370 375 380

Ser Gly Gly Pro Leu Met Tyr Gln Ser Asp Gln Trp His Val Val Gly 385 390 395 400

Ile Val Ser Trp Gly Tyr Gly Cys Gly Gly Pro Ser Thr Pro Gly Val 405 410 415

Tyr Thr Lys Val Ser Ala Tyr Leu Asn Trp Ile Tyr Asn Val Trp Lys
420 425 430

Ala Glu Leu Asp Pro Ala Phe Leu Tyr Lys Val Val Arg Ser Arg Met 435 440 445

Ala Ser Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Ser Leu 450 455 460

<210> 8

<211> 27

<212> DNA

<213> Artificial sequence

	<220>			
	<223>	Synthetic		
	400	0		
	<400>	gege geggggeget getgetg		27
	atgggc	gege geggggee geogees		
	<210>	9		
	<211>			
	<212>			
	<213>	Artificial sequence		
	<220>			
		Synthetic		
		_		
	<400>			22
	ttatca	gacc ggccccagga gtgggagagc cca		33
				
	<210>	10		
	<211>			
	<212>		•	
	<213>	Artificial sequence	÷	
	<220>			
•		Synthetic	•	•
	1225	57		
	<400>			
	ttatca	cgcg tagtccggca cgtcgtacgg gtagccgacc ggccccagga	gtgggagagc	60 .
				63
•	cca			
	<210>	11		
	<211>			
	<212>		•	•
	<213>	Artificial sequence		
	<220>			
	<223>	Synthetic		
		•		
	<400>			19
	cacauco	cage ccaucuguc		
	<210>	12	•	
	<211>			•
	<212>			
	<213>	Artificial sequence		
	<220>			
		Synthetic		
		-		•
	<400>		.*	
	gaggaug	gagg cacugccau		19
	<210>	13		
	<211>		•	
	<212>	RNA		
•		Artificial sequence		

<213> Artificial sequence

14

<220> <223>	Synthetic			
<400>	13 Igugo aaccaccuo			19
<210> <211>				
<212>	RNA		_ j	
<213>	Artificial sequence			
<220>				
<223>	Synthetic			
<400>	14			
guacag	uuuc cgcaaggac	,,,,,,		19
<210> <211>				
<211>		•		
	Artificial sequence			
<220>			٠.	
	Synthetic			
<400>	15			
	gaac gugucacgu			19
<210>				
<211>				
<212> <213>	RNA Artificial sequence			
<220> <223>	Synthetic			
12252	Dimense 15			
<400>	16			10
ccguge	recn adadenada			19
<210>	17			
<211>	19			
<212>	RNA			
<213>	Artificial sequence			
<220>		•		
<223>	Synthetic			•
<400>	17		•	
ggaguug	ggau cucucagaa			19
		•		
<210>	18			
<211>	19			
<212>	RNA			

PCT/US2004/020741

WO 2005/046573

·		15		
<220>				
<223>	Synthetic			
<400>	18			
guuaud	cague ugagecagg			19
<210>				
<211> <212>				
	Artificial sequence		_2	
<220>		•		
	Synthetic			
<400>	19			
	gueg eaggaggeg			19
<210>	20			
<211>	— -			
<212> <213>	RNA Artificial sequence	·	•	
	•			
<220> <223>	Synthetic			
	Symmetric			
<400>				19
cueggg	cguu ggccguggc	•		19
<210>	21			
<211>				
<212>				
<213>	Artificial sequence			
<220>				
<223>	Synthetic			
<400>	21			
accuau	agug accuuagug			19
<210>	22			
<211> <212>	19 RNA			
<213>	Artificial sequence		`	
<220>				
<223>	Synthetic			
<400>	22			
	guga ccuuaguga		5 m.	19
·				
<210>	23			
<211>	19			
<212> <213>	RNA Artificial sequence		•	
<220>			•	

<223>	Synthetic		
<400>	23		
	ccuau gacauugcc	3	19
<210>	24		
<211>			
<212>			
<213>	Artificial sequence		
		_: "	
<220> <223>	Synthetic		
\2237	Synthetic		
<400>	24		
gcuguc	cugca ccugucacc	1	L9
<210>	-25		
<211>			
<212>			
<213>	Artificial sequence		
<220>			
<223>	Synthetic		
	•		
<400>	25	-	
ccggac	agac ugcugggug	1	.9
	·		
<210>			
	RNA Artificial sequence		
(2132	Altilitial sequence		
<220>		•	
<223>	Synthetic		
<400>	26		
	ugag gcacugcca	1	.9
<210> <211>	27 19		
<212>	RNA		
<213>	Artificial sequence	•	
<220>	Completia		
<423>	Synthetic		
<400>	27		
guucag	gucg ccaucauaa	1	9
<210>	28		
<211>	19		•
<212>	RNA		٠
<213>	Artificial sequence		
<220>			
<223>	Synthetic		

<223> Synthetic

<400> ggacaı	28 Icuuu ggagac	aug					19
<210><211><212><213>		sequence					
<220> <223>	Synthetic			`		_ ; ·	
<400> caagaa	29 lugga cugugg	uau					19
<210>	30 19						
<212> <213>	RNA Artificial	sequence					
<220> <223>	Synthetic		ŧ				
<400> gaaugg	30 acug ugguau	cag					19
<210><211><212><213>	31 19 RNA Artificial	sequence					
<220> <223>	Synthetic						
<400> uggacu	31 gugg uaucaga	auu					19
<210><211><211><212><213>	32 19 RNA Artificial	sequence					
<220> <223>	Synthetic						
	32 Eggu gucuaca	acc					19
	33 19 RNA Artificial	sequence			į.		
-2205							

<400> uauca	33 gccac cacuuugag		19
<210><211><211><212><213>	19		
<220> <223>	Synthetic	28,	
<400> gucag	34 geecu gguucucuu		19
<210> <211> -<212>	19 RNA		
<213>	Artificial sequence		
<223>	Synthetic		
<400> uaaaca	35 .cauu ccaguugau		19
<210><211><211><212><213>	19		
<220> <223>	Synthetic		
<400>	36		
uaaaca	cauu ccaguugau		19
<210><211><211><212><213>	37 19 RNA Artificial sequence	· .	
<220> <223>	Synthetic		
<400> acacau	37 ucca guugaugee	·	19
<210> <211> <212> <213>	38 19 RNA Artificial sequence		
<220> <223>	Synthetic		

WO 2005/046573 PCT/US2004/020741

19

cacauuccag uugaugccu 19

This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:
☐ BLACK BORDERS
☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
☐ FADED TEXT OR DRAWING
☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
☐ SKEWED/SLANTED IMAGES
☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
☐ GRAY SCALE DOCUMENTS
LINES OR MARKS ON ORIGINAL DOCUMENT
☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

IMAGES ARE BEST AVAILABLE COPY.

☐ OTHER:

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.